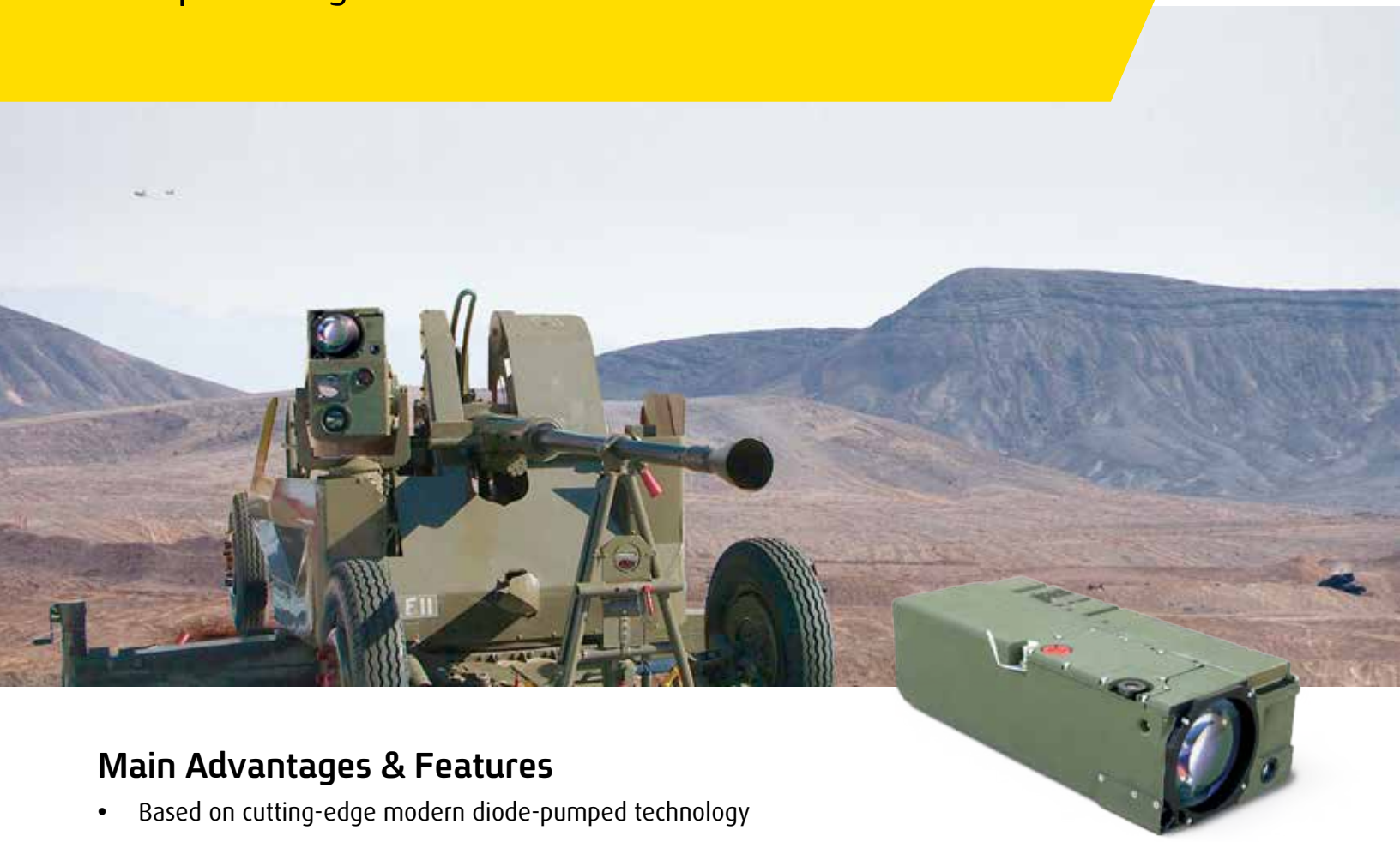
CIL

Compact Integrated Laser



Main Advantages & Features

- Based on cutting-edge modern diode-pumped technology
- High repetition rate (up to 10 pps continuously)
- Eyesafe rangefinding
- Compact, lightweight, single LRU
- Designed and tested IAW-MIL-STD

Applications

- As an integrated part of air defense weapon systems
- As a stand-alone unit for gunfire control systems
- As an integrated sight for EO payloads/clusters

Elbit Systems™ ISTAR

CIL

Compact Integrated Laser

Technical Data

Transmitter type	Diode-pumped, Erbium glass
	1.54 µm (eyesafe)
Output energy, min	10 mJ (after 3 sec.)
Repetition rate	10 pps
Beam divergence	1.5 mRad, adjustable
Range	
- Minimum	100 m
- **Maximum**	**20,000 m**
- Accuracy	±5 m
Target discrimination	30 m
Extinction ratio	45 dB @ 85% reflectivity at 500 m target
Receiver optical aperture	90 mm
False alarm rate	1%, max
Laser beam-mechanical interface boresight	3 mRad
Boresighting telescope	
- **Magnification**	**x 3.6**
- **Boresight with the laser beam**	**0.5 mRad**
Cooling	Air flow (internal fan)
Communication	RS-422
Power consumption	100 W, max
Power supply	22-29 VDC, MIL-STD-704D
Weight	6.1 kg
Dimensions (L x W x H), mm	375 x 150 x 102

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